

FIG. 1
Background Art

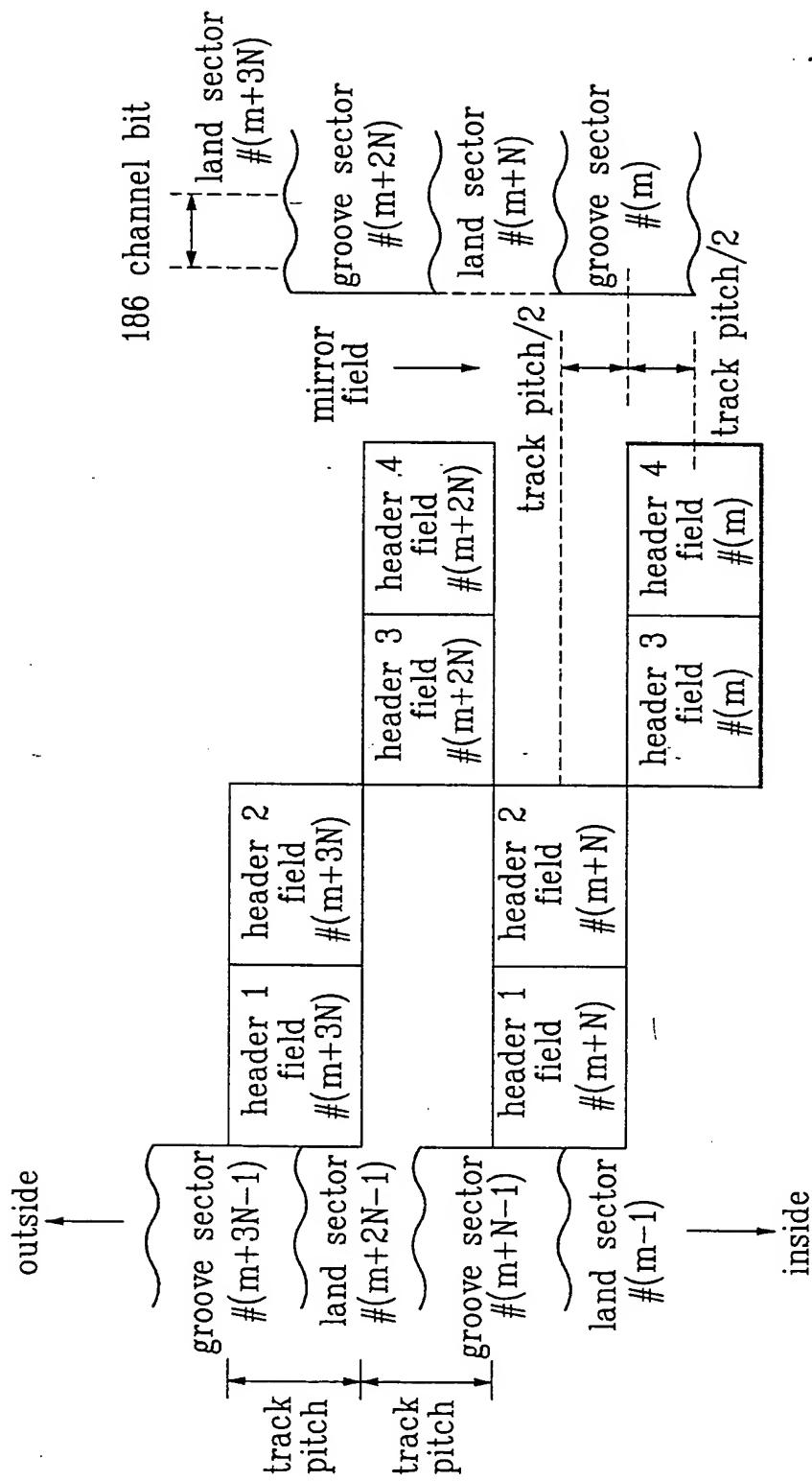


FIG.2

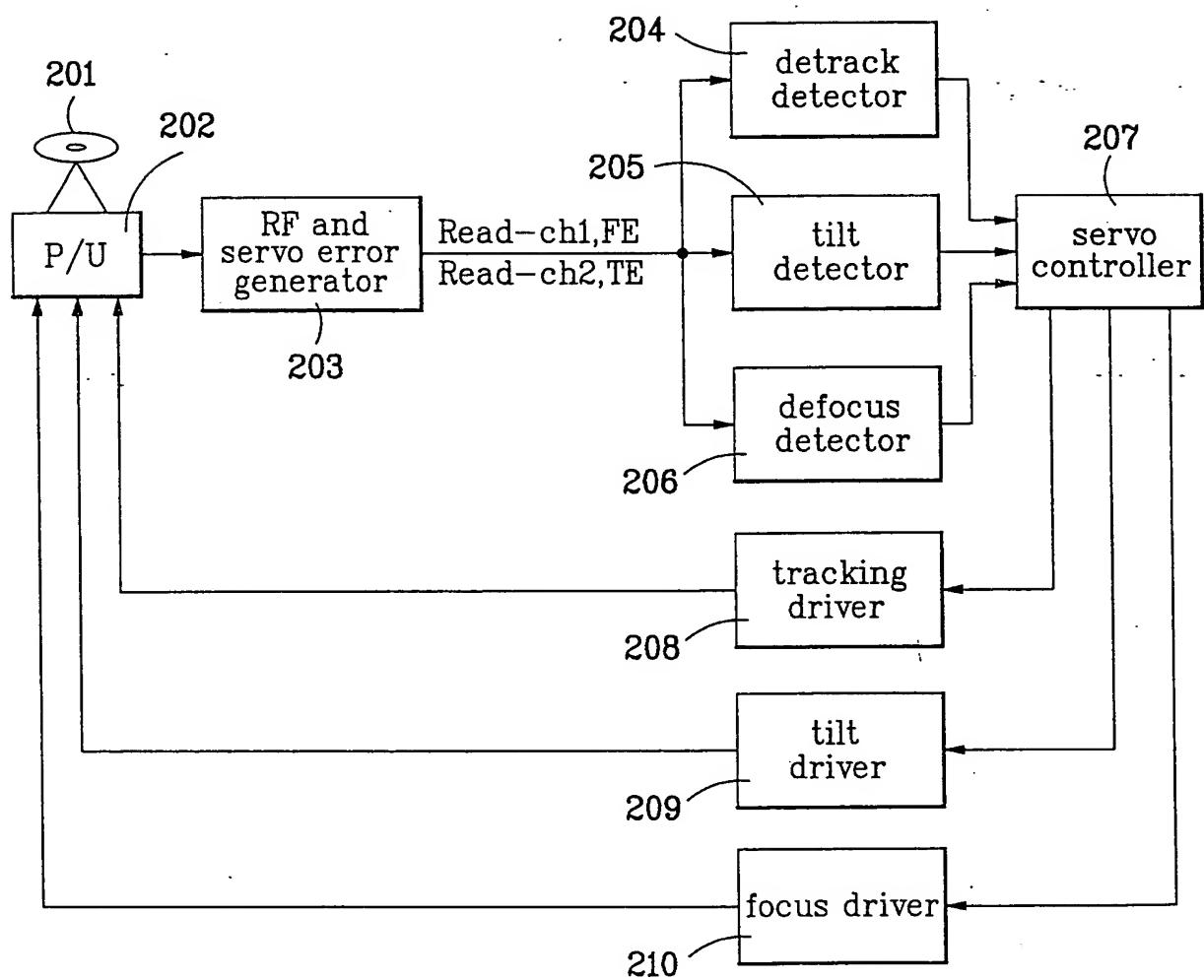


FIG.3

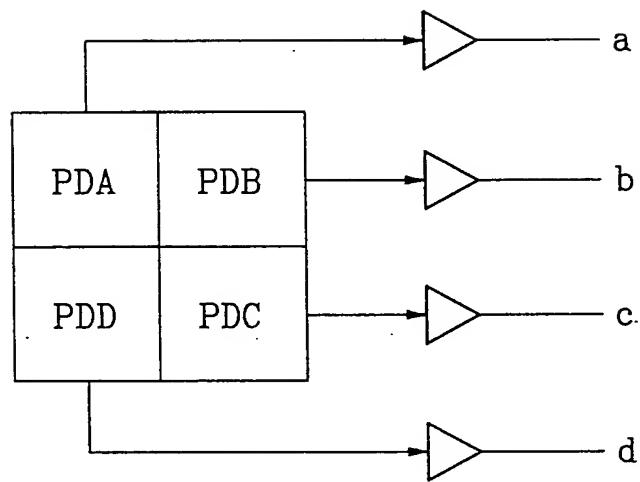


FIG.4

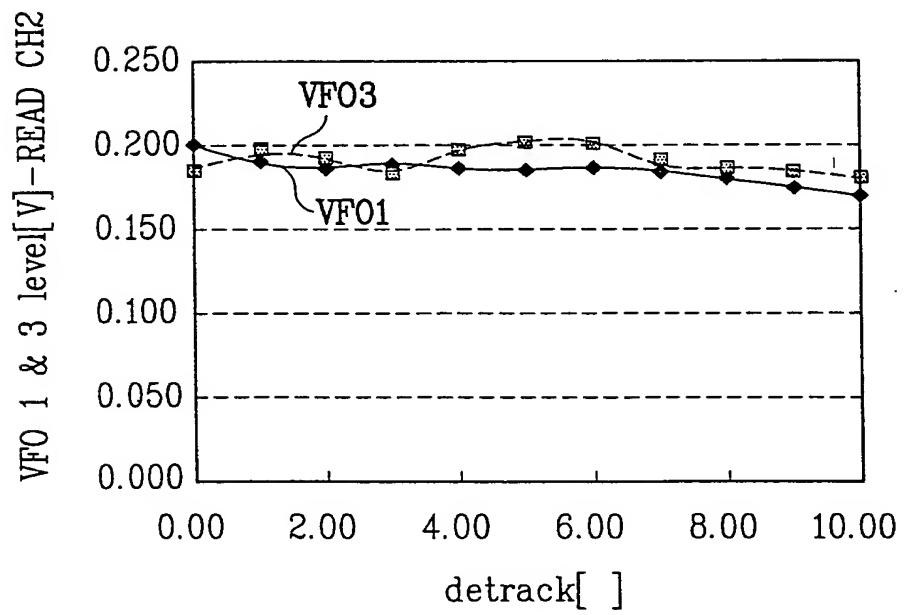


FIG.5A

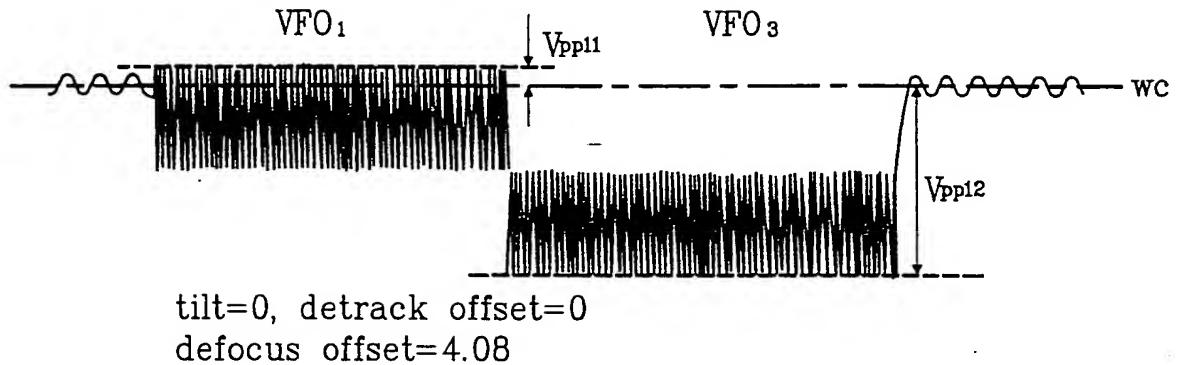


FIG.5B

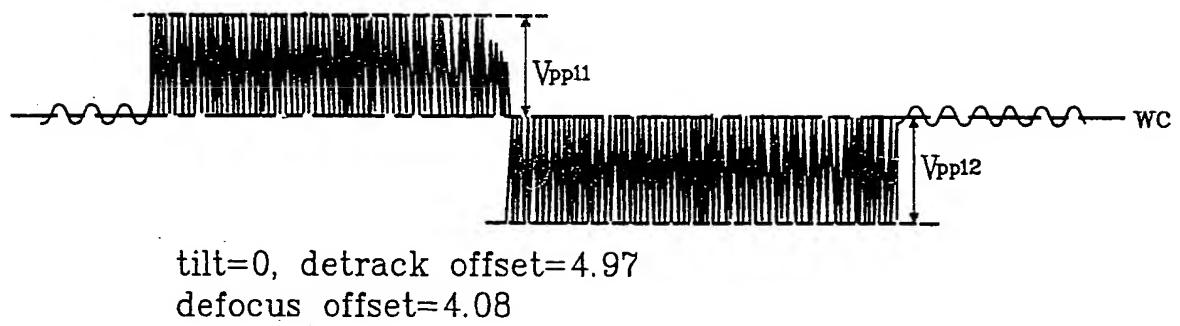


FIG.5C

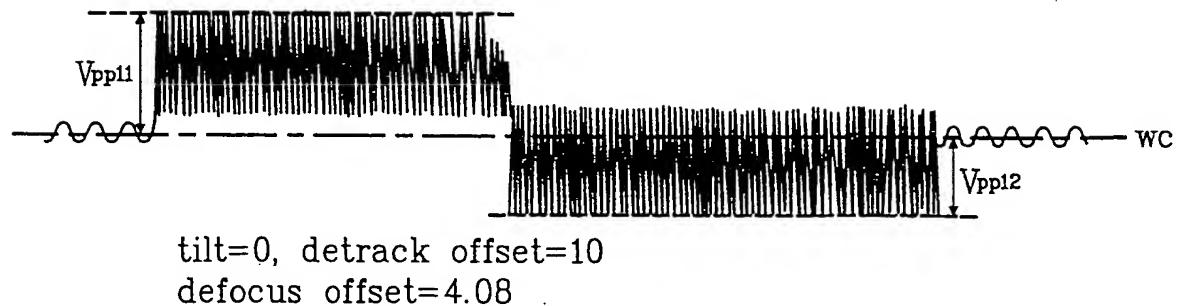


FIG.6

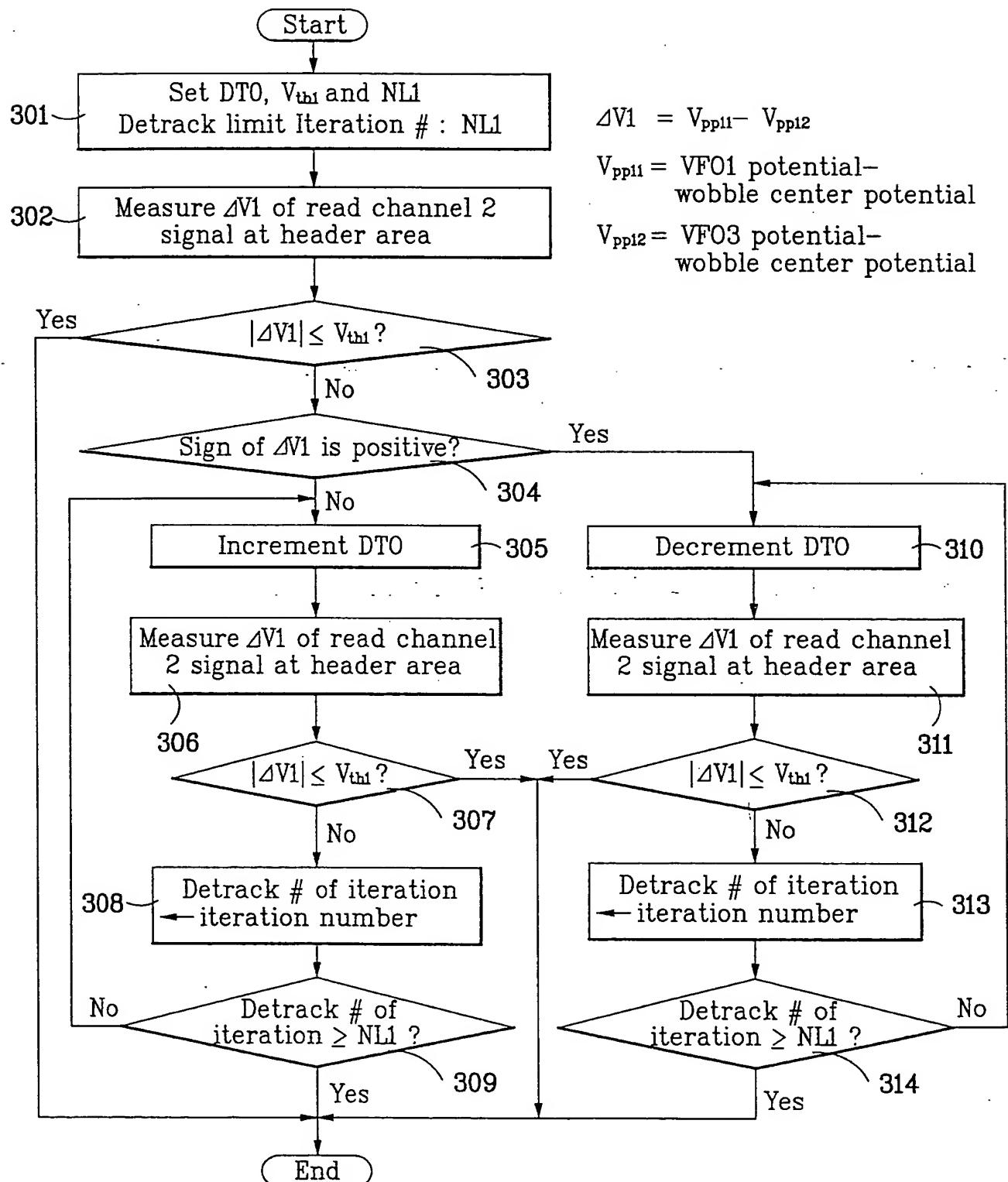


FIG. 7

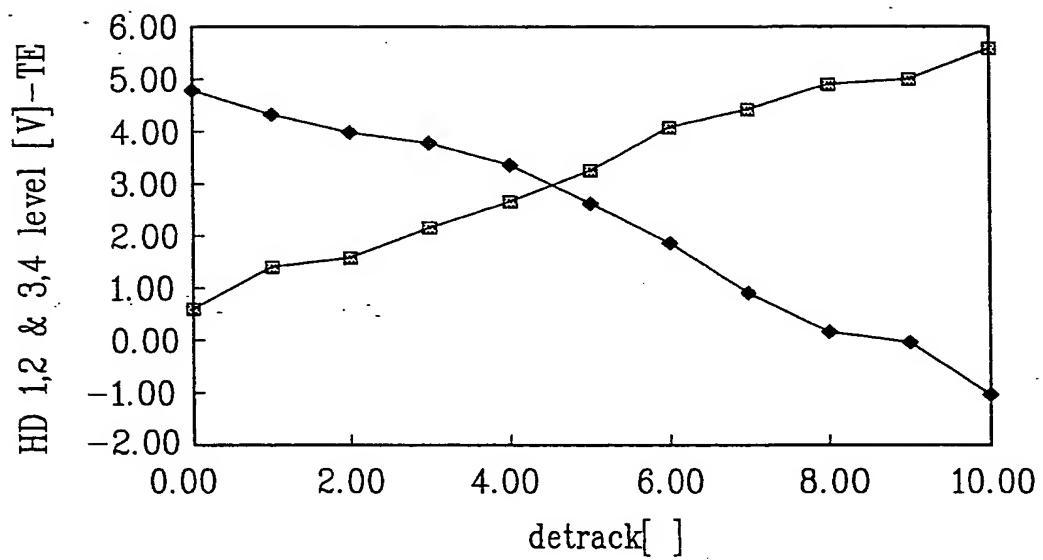


FIG.8A

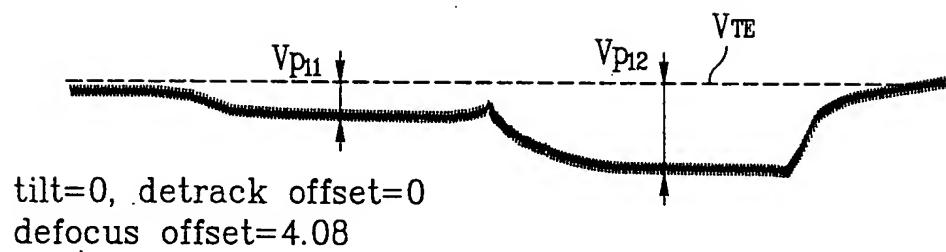


FIG.8B

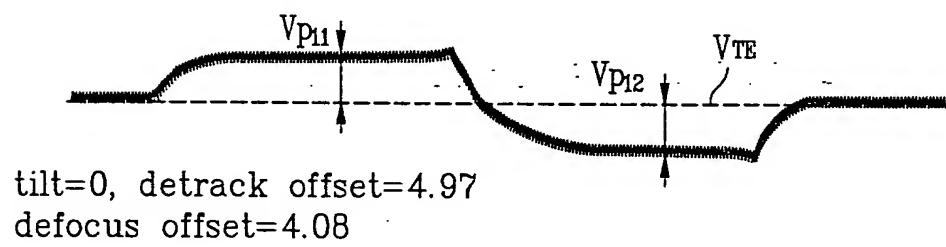


FIG.8C

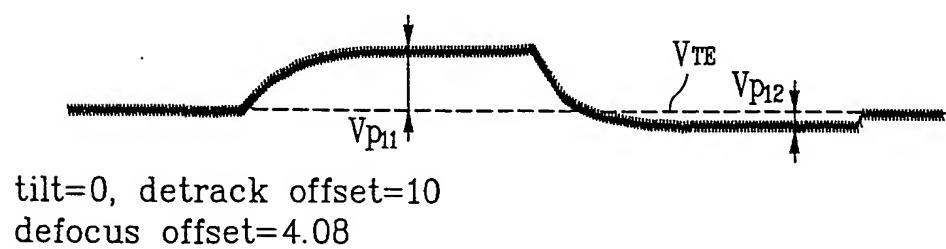


FIG.9

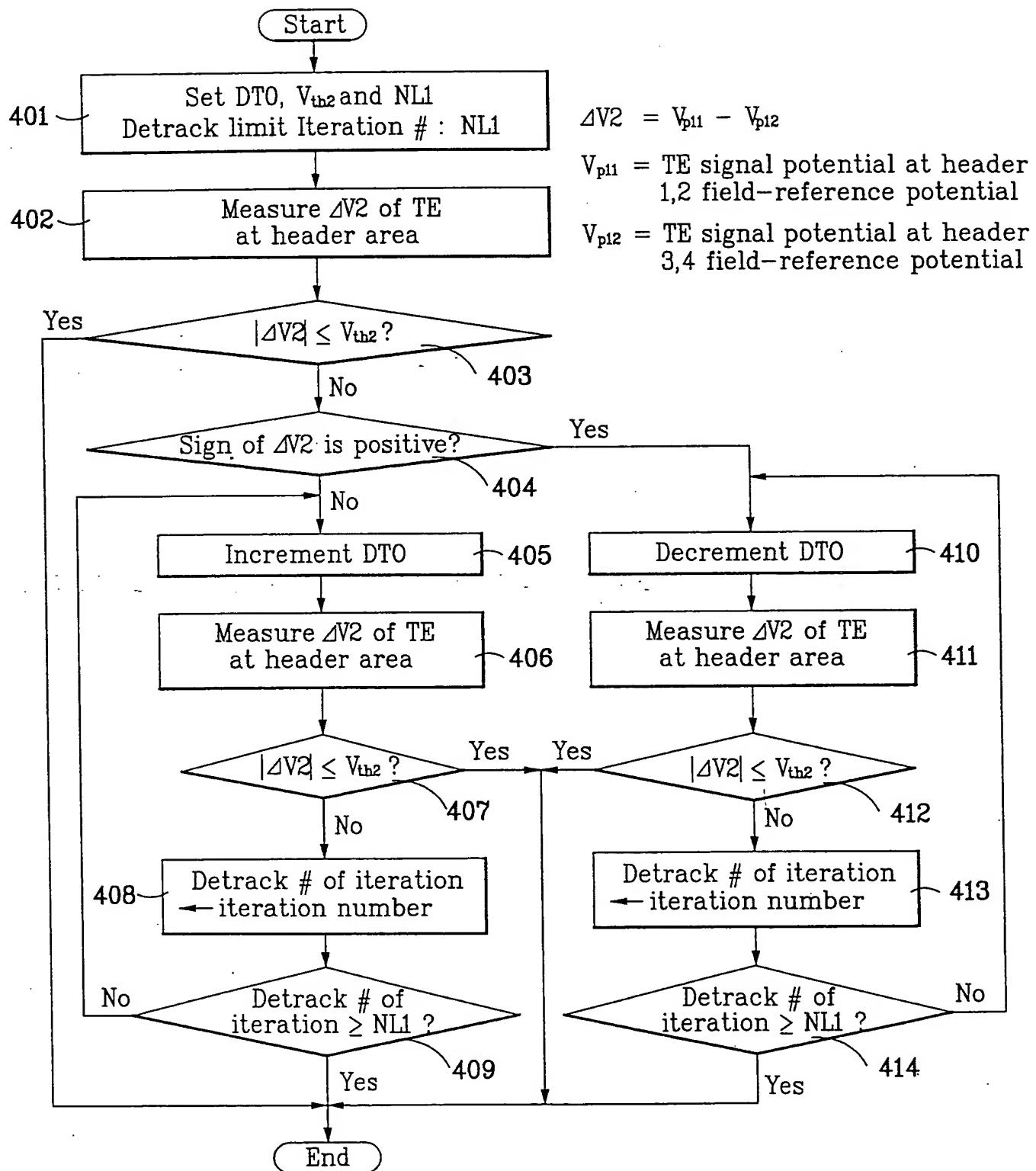


FIG.10

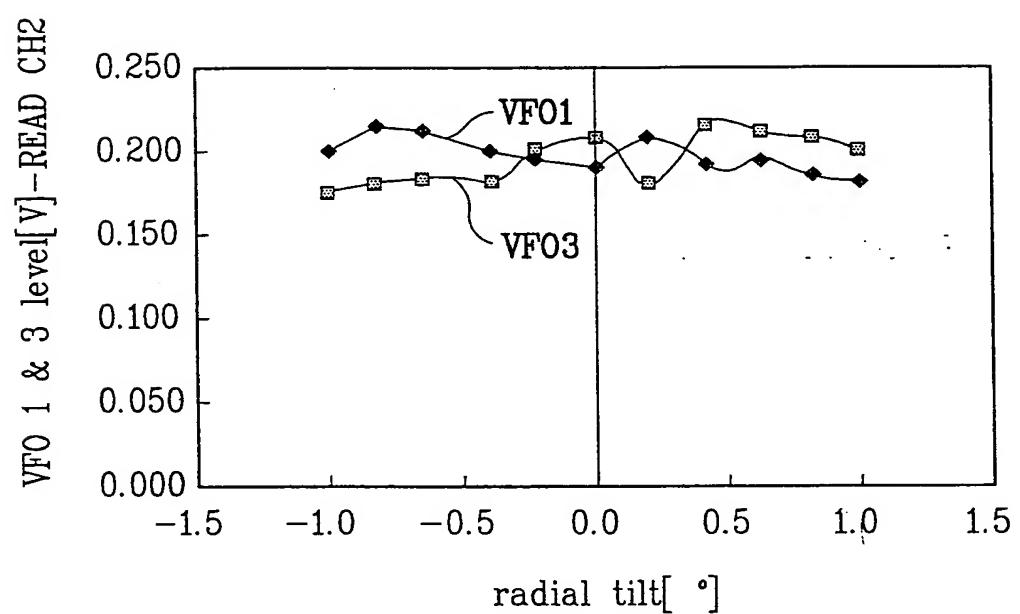


FIG.11A

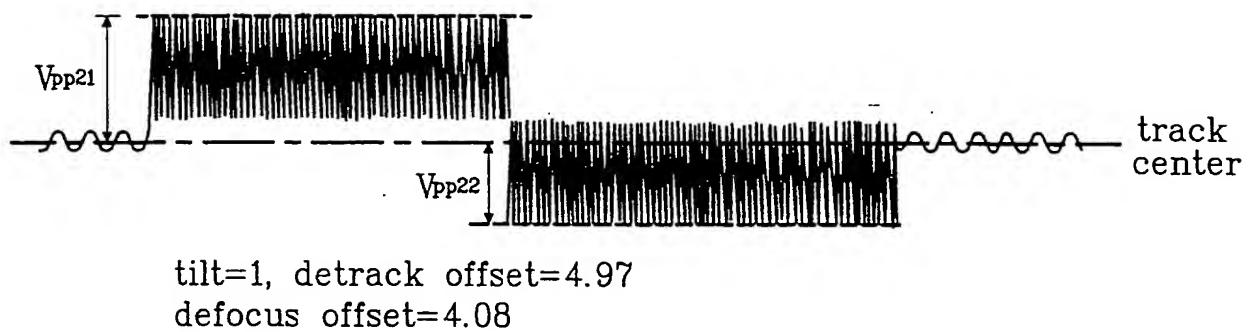


FIG.11B

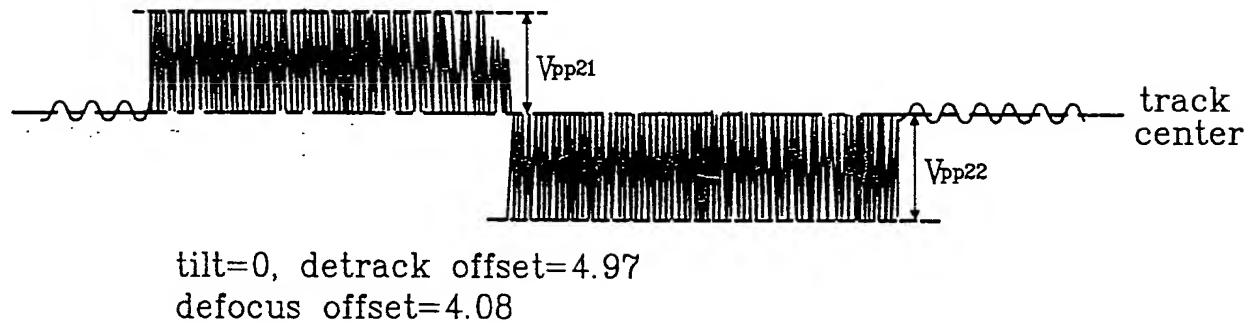


FIG.11C

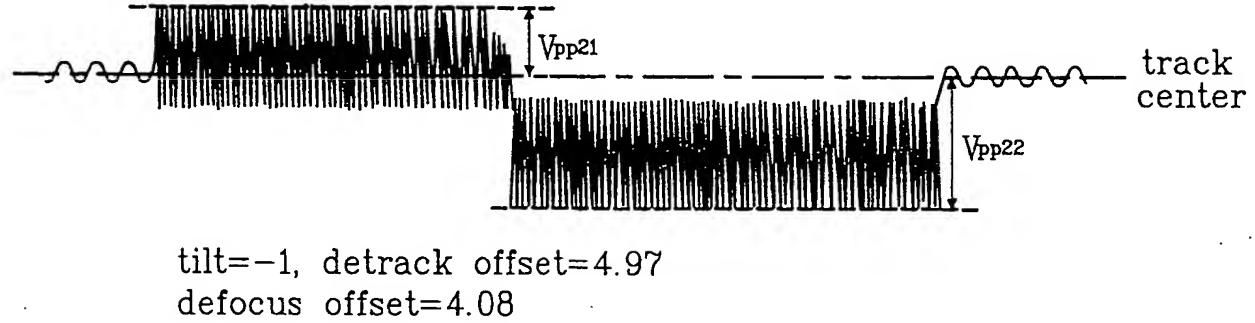


FIG.12

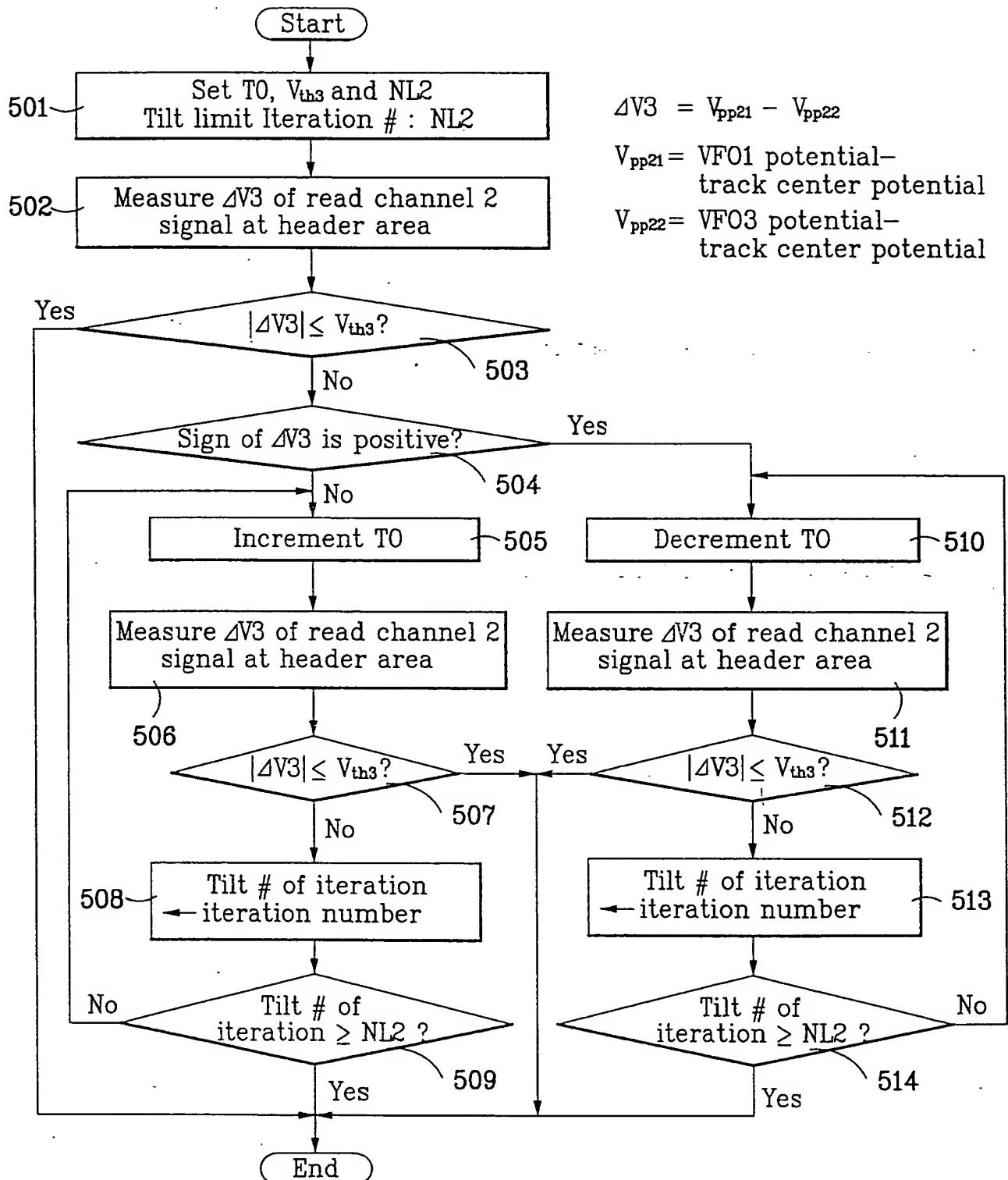


FIG.13A

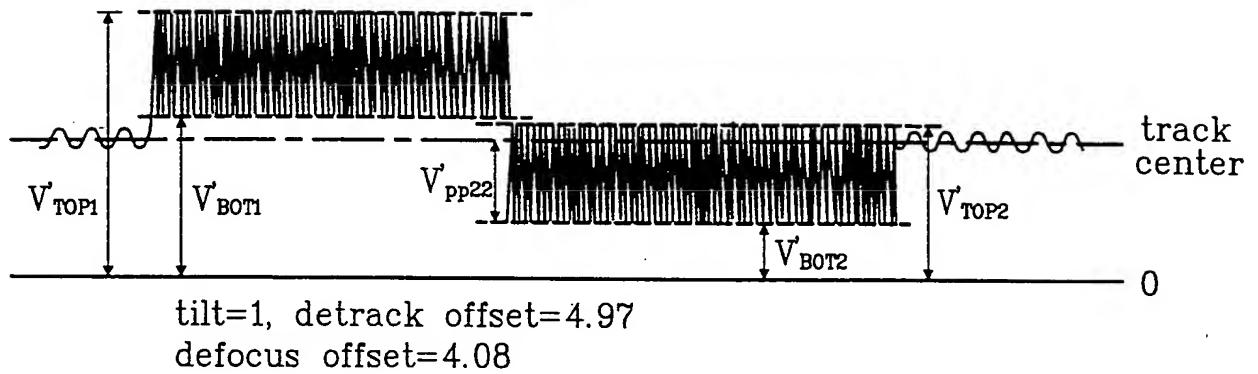


FIG.13B

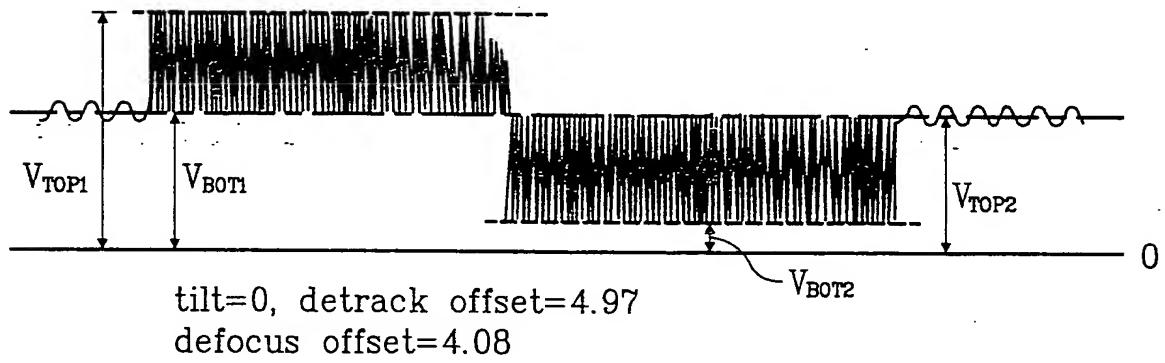


FIG.13C

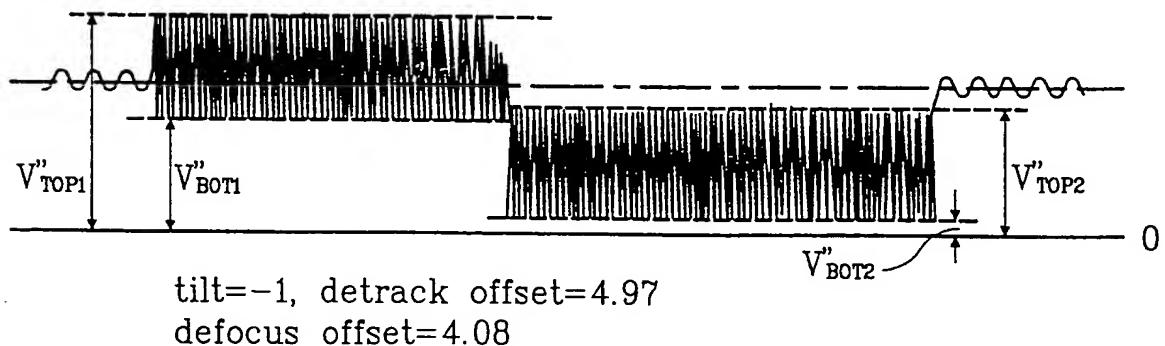


FIG.14

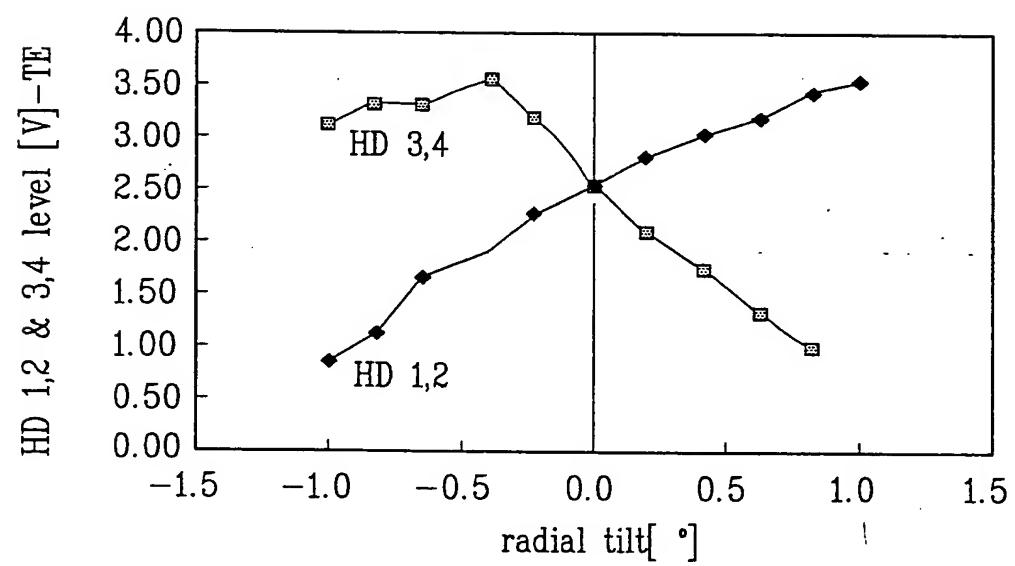


FIG.15A

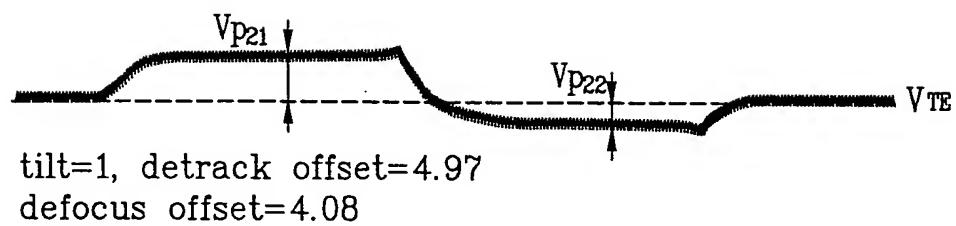


FIG.15B

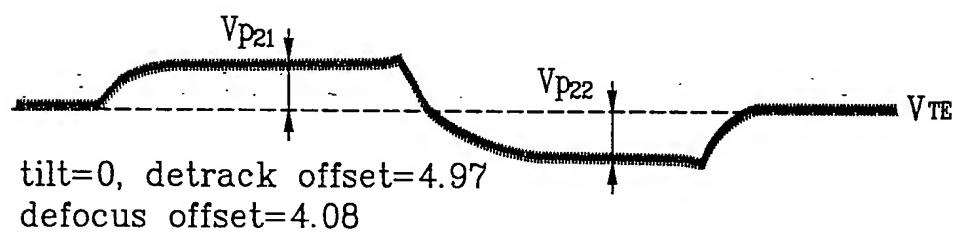


FIG.15C

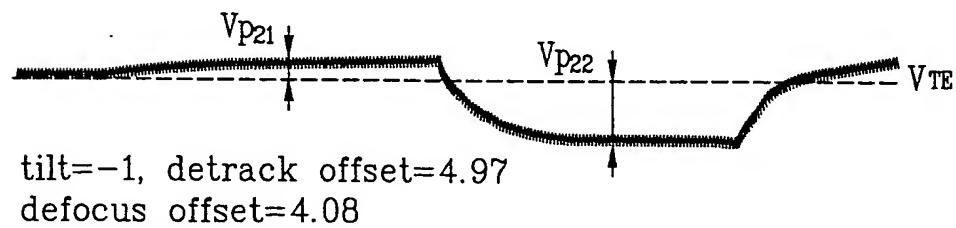


FIG.16

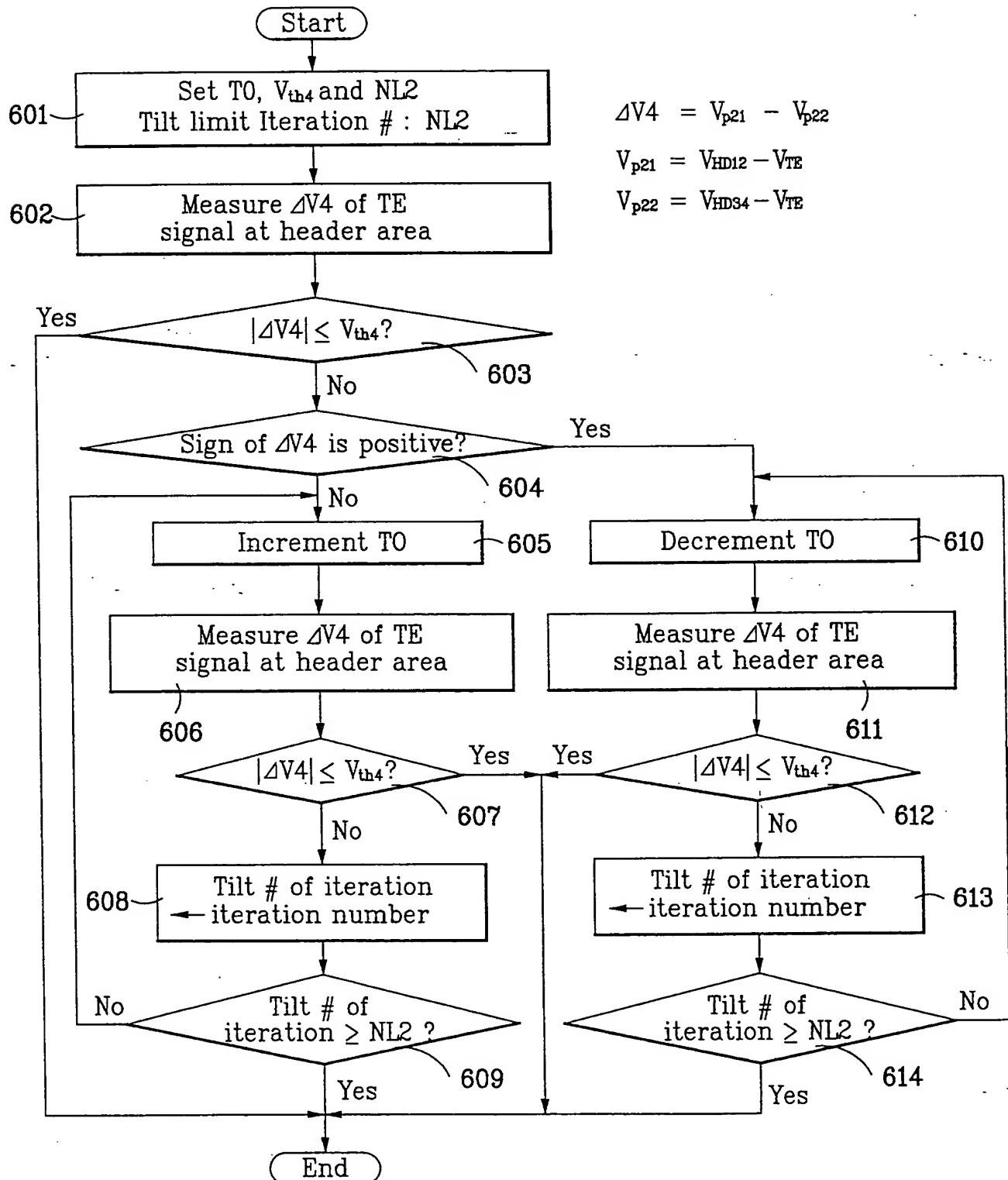


FIG.17

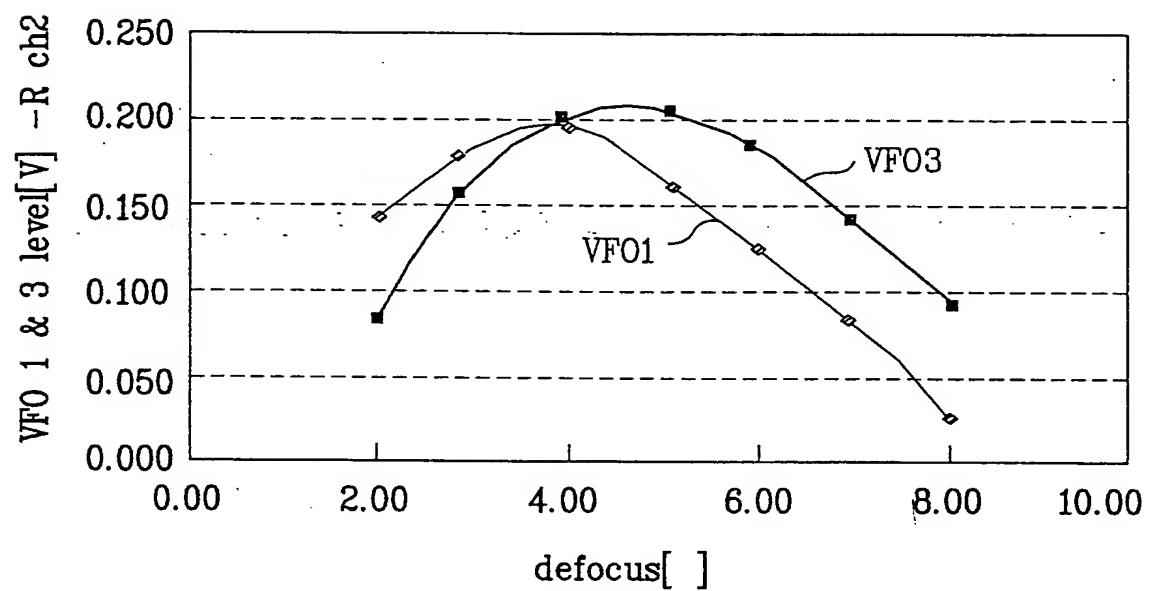


FIG.18A

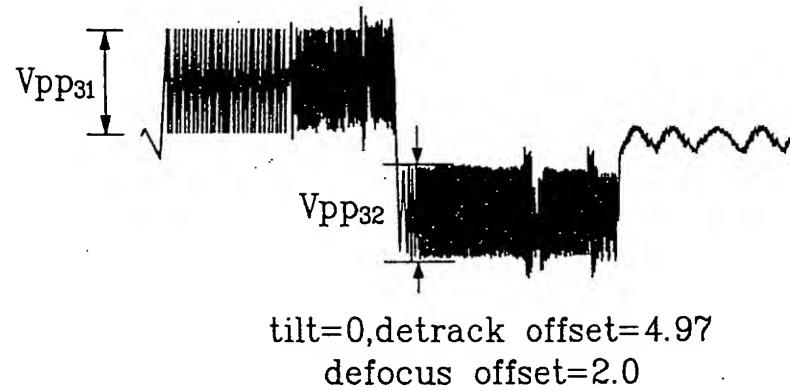


FIG.18B

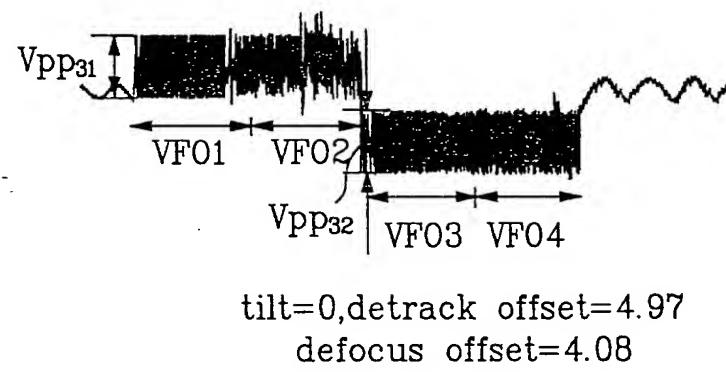


FIG.18C

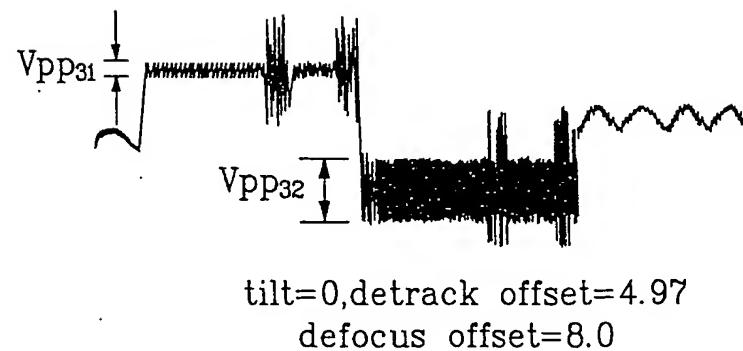


FIG.19

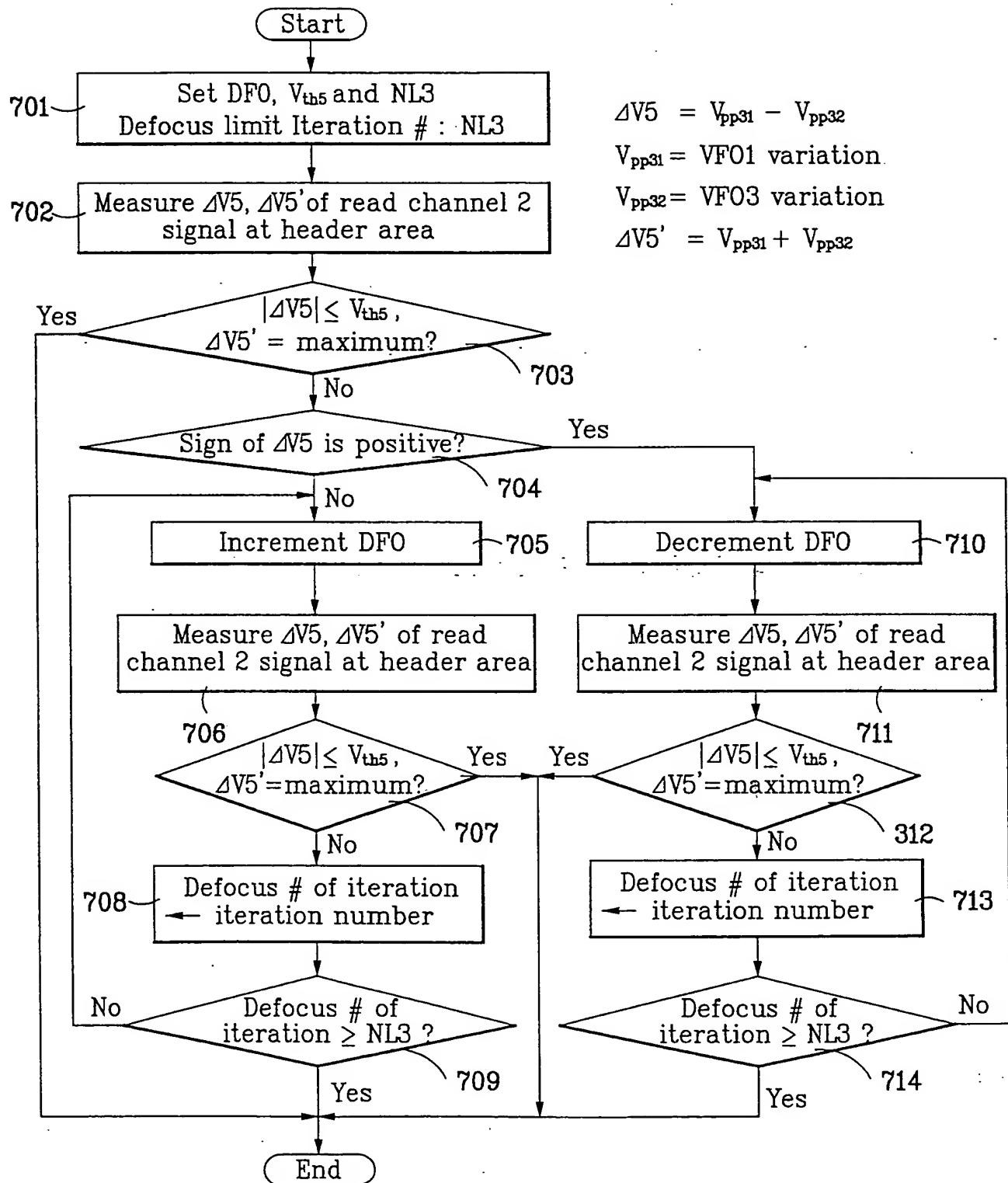


FIG.20

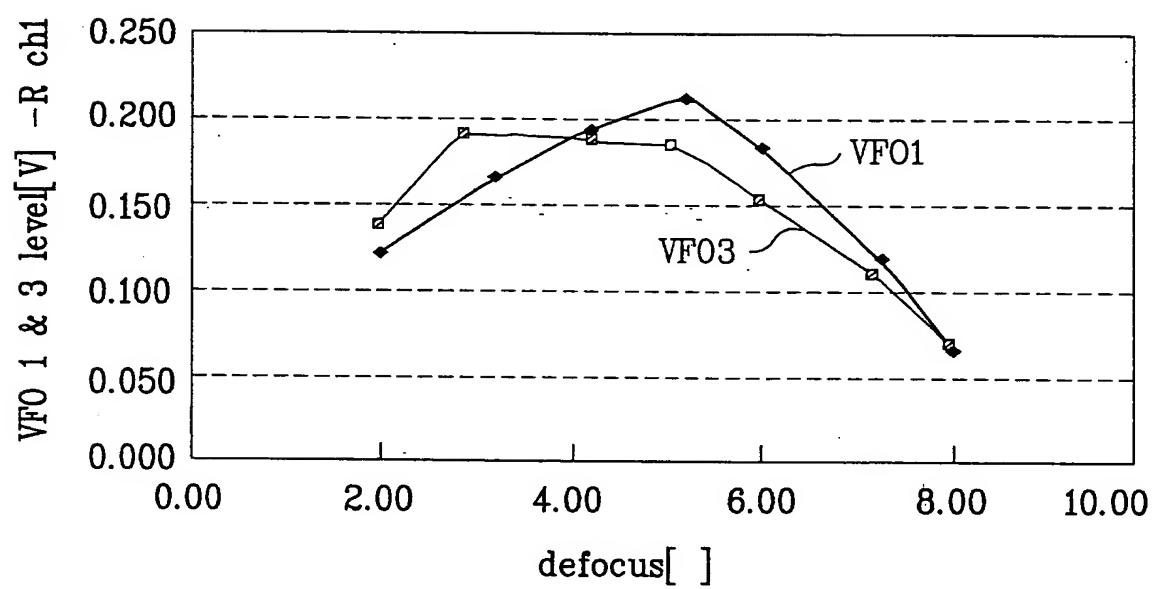
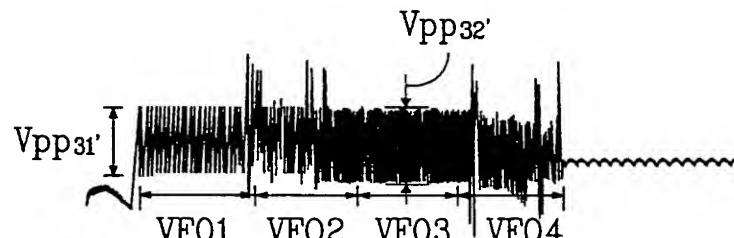


FIG.21A



tilt=0,detrack offset=4.97
defocus offset=2.0

FIG.21B



tilt=0,detrack offset=4.97
defocus offset=4.08

FIG.21C



tilt=0,detrack offset=4.97
defocus offset=8.0

FIG.22A

read channel 1
 $V_{pp31} - V_{pp32}$

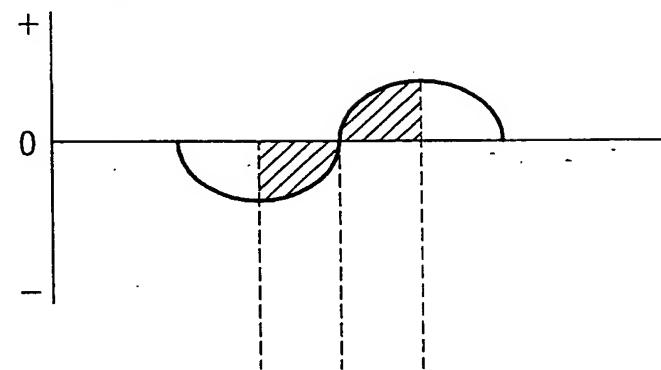


FIG.22B

read channel 2
 $V_{pp31} - V_{pp32}$

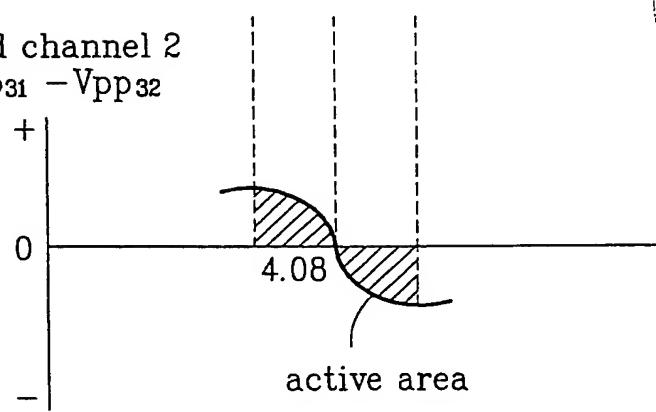


FIG.23

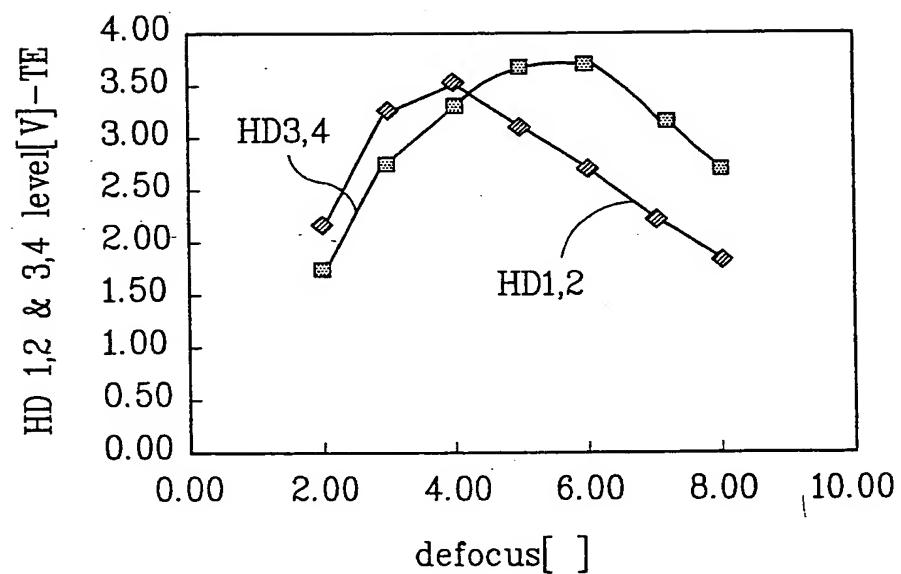
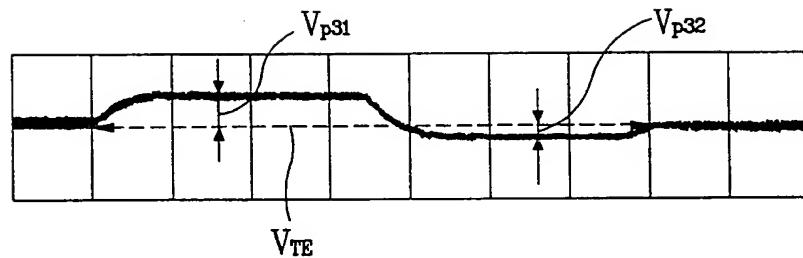
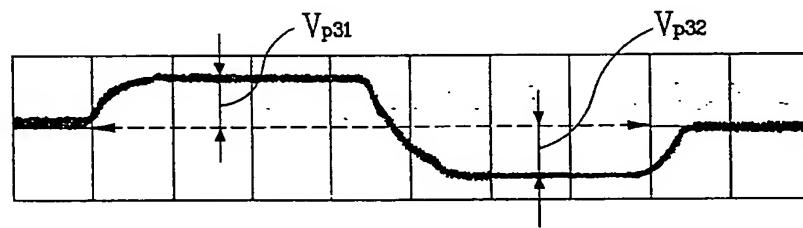


FIG.24A



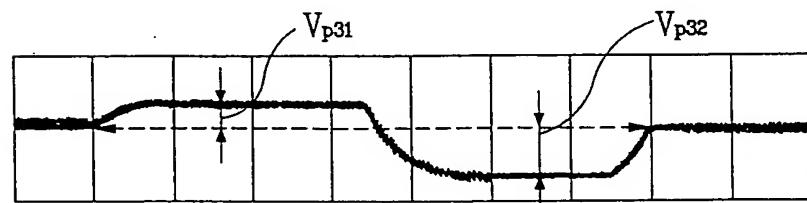
tilt=0, detrack offset=4.97
defocus offset=2.0

FIG.24B



tilt=0, detrack offset=4.97
defocus offset=4.8

FIG.24C



tilt=0, detrack offset=4.97
defocus offset=8.0

FIG.25

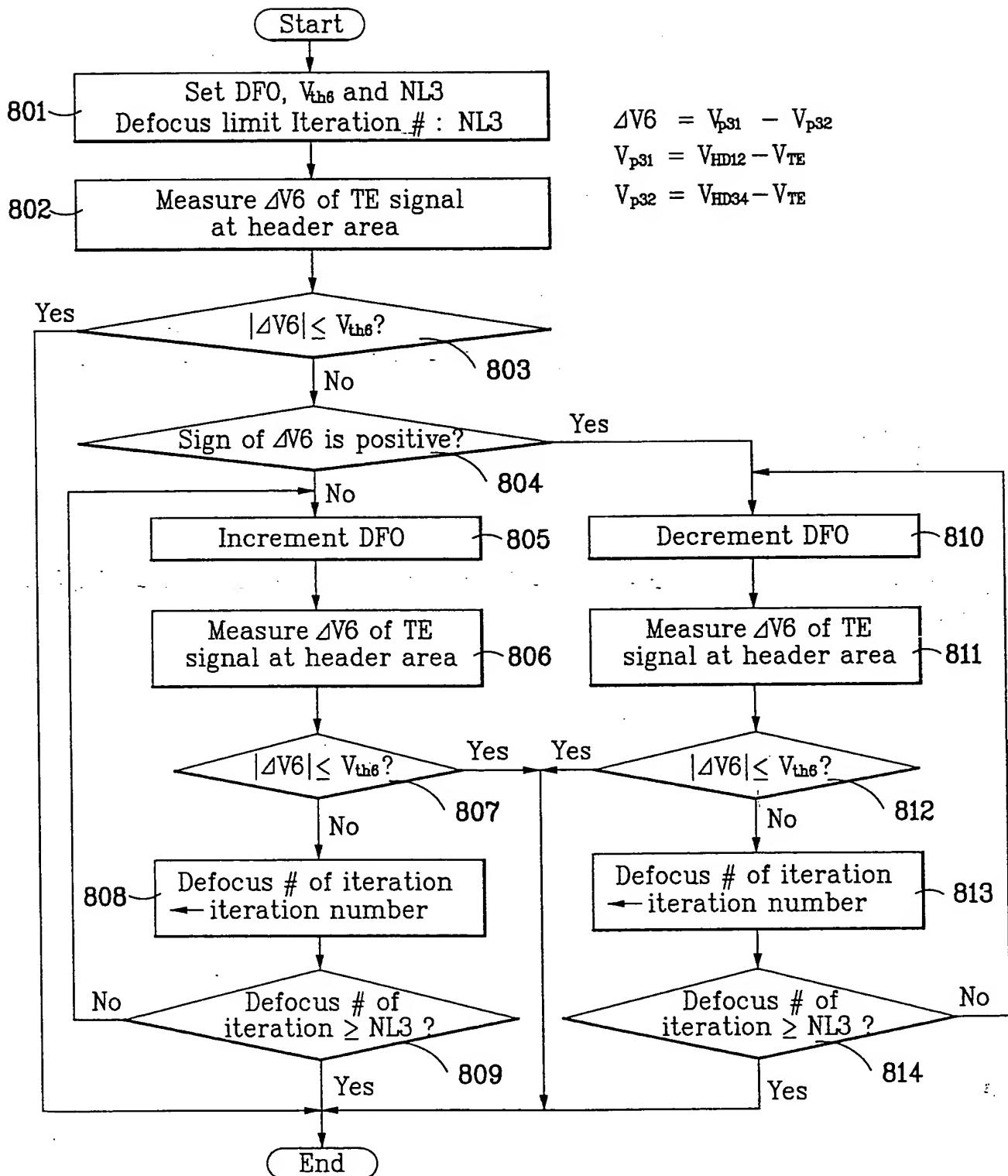


FIG.26

